

CLAIMS

1. A magnetic recording/reproducing apparatus for recording and reproducing a video signal and an information signal on and from a magnetic tape,

5 comprising:

first means for encoding an information signal including a magnetic tape identification information signal and an attribute information signal relevant to a video signal to be recorded on said magnetic tape in  
10 a same format as a teletext information signal of a television text broadcast to be displayed in the form of a caption on a television screen and superposing said information signal on said video signal in vertical blanking intervals at a position differing  
15 from a horizontal synchronizing position at which said teletext information signal is superposed and recording the encoded information signal of said video signal and said information signal on said magnetic tape;

second means for storing said information  
20 signal in storage means upon recording said video signal and said information signal on said magnetic tape;

third means for decoding said information signal superposed on said video signal upon  
25 reproduction thereof from said magnetic tape by changing the horizontal synchronizing position for decoding said teletext information signal;

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fourth means for discriminatively identifying whether said magnetic tape identification information signal contained in said information signal as decoded coincides with the corresponding magnetic tape identification information signal stored in said storage means; and

fifth means responsive to coincidence of said magnetic tape identification signal for thereby outputting to a television display screen at least a part of said attribute information signal contained in said information signal stored in said storage means and corresponding to the magnetic tape to be played back.

2. A magnetic recording/reproducing apparatus for recording and reproducing a video signal and an information signal on and from a magnetic tape, comprising:

first means for encoding an information signal including a magnetic tape identification information signal indicative of a manufacture number of said magnetic recording/reproducing apparatus and an attribute information signal relevant to a video signal to be recorded on said magnetic tape by superposing said information signal on said video signal in vertical blanking intervals of said video signal and recording the encoded information signal of said video signal and said information signal on a magnetic tape;

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5           third means for decoding said information  
signal superposed on said video signal upon  
reproduction thereof from said magnetic tape;

fifth means responsive to coincidence of said  
manufacture numbers for thereby outputting to a  
15 television display screen at least a part of said  
attribute information signal contained in said  
information signal stored in said storage means and  
corresponding to the magnetic tape to be played back.

first means for encoding an information signal including a magnetic tape identification information signal containing a manufacture number of said magnetic recording/reproducing apparatus and an attribute information signal relevant to a video signal to be

- recorded on said magnetic tape in a same format as a  
teletext information signal of a television text  
broadcast to be displaced in the form of a caption on a  
television screen and superposing said information  
5 signal on said video signal in vertical blanking  
intervals of said video signal at a position differing  
from a horizontal synchronizing position at which said  
character information signal is superposed and  
recording the encoded information signal of said video  
10 signal and said information signal on a magnetic tape;  
second means for storing said information  
signal in storage means upon recording said video  
signal and said information signal on said magnetic  
tape;  
15 third means for decoding said information  
signal superposed on said video signal upon  
reproduction thereof from said magnetic tape by  
changing a horizontal synchronizing position for  
decoding said character information signal;  
20 fourth means for discriminatively identifying  
whether said manufacture number contained in said  
information signal as decoded coincides with the  
corresponding manufacture number stored in said storage  
means; and  
25 fifth means responsive to coincidence of said  
magnetic tape identification signal for thereby  
outputting to a television display screen at least a

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part of said attribute information signal contained in  
said information signal stored in said storage means  
and corresponding to the magnetic tape to be played  
back.

- 5 4. A magnetic recording/reproducing apparatus for  
recording and reproducing a video signal and an  
information signal on and from a magnetic tape,  
comprising:

first means for encoding an information signal  
10 containing a magnetic tape identifying information  
signal and an attribute information signal relevant to  
a video signal to be recorded on said magnetic tape by  
superposing said information signal onto said video  
signal in vertical blanking intervals and recording  
15 said encoded information on said magnetic tape;

second means for storing said information  
signal in storage means upon recording said video  
signal and said information signal on said magnetic  
tape;

20 third means for playing back said magnetic  
tape and decoding said information signal superposed on  
said video signal;

fourth means for discriminatively identifying  
whether said magnetic tape identification information  
25 signal contained in said decoded information signal  
coincides with the corresponding magnetic tape  
identification information signal stored in said  
storage means;

fifth means responsive to coincidence of said magnetic tape identification information signal for outputting said attribute information signal corresponding to a plurality of programs recorded on said magnetic tape to be played back onto a television screen to be displayed in lines on a program-by-program basis; and

sixth means for selecting a program displayed in a particular one of said lines from those displayed on said television screen in lines, respectively.

5. A magnetic recording/reproducing apparatus according to claim 4,

further comprising:

seventh means for counting a recording time on a program-by-program basis upon recording said video signal and said information signal on said magnetic tape; and

eighth means responsive to lapse of said recording time by a predetermined time for thereby adding a first identification signal indicative of said lapse to said information signal to be stored in said storage means.

6. A magnetic recording/reproducing apparatus according to claim 5,

wherein upon reproduction of said video signal and said information signal for a given program from said magnetic tape at least for a duration corresponding to a predetermined proportion of said

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recording time of said given program, said eighth means rewrites said first identification signal only for said program into a second identification signal to be stored in said storage means,

5 further comprising:

ninth means for displaying said first identification signal and/or said second identification signal in the form of symbols line by line for every program displayed on the television screen.

10 7. A magnetic recording/reproducing apparatus for recording and reproducing a video signal, a sound signal and an information signal on and from a magnetic tape, comprising:

first means for encoding an information signal  
15 containing a magnetic tape identifying information signal, an attribute information signal relevant to a video signal to be recorded on said magnetic tape and a sound identifying signal for discriminatively  
identifying whether said sound signal is in a bilingual  
20 mode or in a stereophonic mode by superposing said information signal onto said video signal in vertical blanking intervals of said video signal and recording said encoded information together with said sound signal on said magnetic tape;

25 second means for storing said information signal in storage means upon recording said video signal and said information signal on said magnetic tape;

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third means for playing back said magnetic tape and decoding said information signal superposed on said video signal;

fourth means for discriminatively identifying  
5 whether said magnetic tape identification information signal contained in the decoded information signal coincides with the corresponding magnetic tape identification information signal stored in said storage means; and

10 fifth means responsive to coincidence of said magnetic tape identification information signals for thereby checking said sound identification signal contained in said information signal stored in said storage means to thereby change over a sound  
15 reproduction circuit for reproducing said sound signal either to a bilingual sound mode or to a stereophonic mode in dependence on content of said sound identification signal.

8. A magnetic recording/reproducing apparatus for  
20 recording and reproducing a video signal and an information signal on and from a magnetic tape, comprising:

first means for encoding an information signal  
containing a magnetic tape identifying information  
25 signal and an attribute information signal relevant to a video signal to be recorded on said magnetic tape by superposing said information signal onto said video

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signal in vertical blanking intervals and recording  
said encoded information on said magnetic tape;

second means for playing back said magnetic  
tape and decoding said information signal superposed on  
5 said video signal;

third means for playing back said magnetic  
tape to thereby extract a program attribute information  
signal as recorded and contained in said information  
signal reproduced from said magnetic tape, said program  
10 attribute information signal being stored in storage  
means; and

fourth means for automatically recording on  
said magnetic tape those programs which belong to a  
given series and broadcast in succession periodically  
15 at a predetermined interval (e.g. on a week-by-week  
basis) by referencing said program attribute  
information signal.

9. A magnetic recording/reproducing apparatus  
according to claim 1,

20 wherein said third means includes selecting  
means for selecting exchangeably said information  
signal or said teletext information signal;

further comprising:

sixth means for displaying said teletext  
25 information signal as a caption on a television screen,  
upon selection of teletext information signal by said  
selecting means.

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10. A magnetic recording/reproducing apparatus for recording and reproducing a video signal and an information signal on and from a magnetic tape, comprising:

5 first means for encoding an information signal containing a magnetic tape identifying information signal and an attribute information signal relevant to a video signal to be recorded on said magnetic tape by superposing said information signal onto said video  
10 signal in vertical blanking intervals and recording said encoded information on said magnetic tape;

second means for storing said information signal in storage means upon recording said video signal and said information signal on said magnetic  
15 tape;

third means for playing back said magnetic tape and decoding said information signal superposed on said video signal;

fourth means for discriminatively identifying  
20 whether said magnetic tape identification information signal contained in said decoded information signal coincides with the corresponding magnetic tape identification information signal stored in said storage means;

25 fifth means responsive to coincidence of said magnetic tape identification information signal for thereby displaying said attribute information signals which correspond to a plurality of programs recorded on

said magnetic tape to be played back and which are  
contained in said information signal stored in said  
storage means on a television screen in the form of  
lines, respectively, on a program-by-program basis  
5 while displaying program identifiers of said plurality  
of programs in the form of a band graph;

sixth means for selecting a given one from  
those displayed in lines and said band graph on said  
television screen; and

10 seventh means for setting a same color as  
background colors for said selected program display  
line and said selected area of said band graph,  
respectively.

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